

19970604.qrp qrp-por0.746
 >From owner-qrp-l@Lehigh.EDU Tue Jun 3 18:04:00 1997
 >Return-Path: <owner-qrp-l@Lehigh.EDU>
 >Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
 > by uro.theporch.com (8.8.6.Beta4/A-UX3.1.1) with ESMTP id SAA07633
 > for <shimshon@uro.theporch.com>; Tue, 3 Jun 1997 18:03:58 -0500 (CDT)
 >Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
 > by sco.theporch.com (8.8.6.Beta4/SCO-5.0.2) with ESMTP id SAA21423
 > for <shimshon@theporch.com>; Tue, 3 Jun 1997 18:03:51 -0500 (CDT)
 >Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
 <34943-26866>; Tue, 3 Jun 1997 19:03:18 -0400
 >Date: Tue, 3 Jun 1997 19:03:07 EDT
 >Sender: owner-qrp-l@Lehigh.EDU
 >Precedence: bulk
 >From: qrp-l@Lehigh.EDU
 >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 >Subject: QRP-L digest 746
 >Mime-Version: 1.0
 >Content-Type: text/plain; charset=us-ascii
 >X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
 >Message-Id: <97Jun3.190318edt.34943-26866+142@fidoii.cc.Lehigh.EDU>
 >Status: 0

QRP-L Digest 746

Topics covered in this issue include:

- 1) [20696] RE: CW Bandwidth
by "Heron, George" <G.Heron@dialogic.com>
- 2) [20697] Trails of Radios: Cold slobber joints &c
by NilsBull@aol.com
- 3) [20698] Work this one?
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
- 4) [20699] RE: VHF with NE602As?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 5) [20700] RE: VHF with NE602As?
by "Dana H. Myers" <myers@bigboy.West.Sun.COM>
- 6) [20701] Crystal measuring by piano
by dwink@juno.com (Daniel C Winkler)
- 7) [20702] QRP Sprint 40 question.
by mderisio@sprynet.com
- 8) [20703] SOLD - R-820 receiver
by "Paul R. Valko" <prvalko@Oakland.edu>
- 9) [20704] Belgium Call ??
by Scottae4vq@aol.com
- 10) [20705] RE: VHF with NE602As?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 11) [20706] QRP Sprint 40 question.

by "Wilford D. Lindsey" <70511.3041@CompuServe.COM>

12) [20707] Re: VHF with NE602As?
by tgordish@concentric.net

13) [20708] Back From the U.K.
by EBikales@aol.com

14) [20709] VHF with NE602As?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>

15) [20710] PHOENIX CRYSTALS NEW E-MAIL ADDRESS
by n0acs@juno.com (John R. Morris)

16) [20711] TiCK 2 SMD report (somewhat long)
by WD6BOR@aol.com

17) [20712] Re: CW Bandwidth
by Raventhorne <jelder@ix.netcom.com>

18) [20713] KC1 FREQ. COUNTER NOTE (w/SST): Simple way to improve VFO signal
by svecbrdk@well.com (L.Svec,W.Burdick)

19) [20714] ? Black Widow Pole w/SLT and MMA coil
by ka7you@juno.com

20) [20715] Replacement for SPC119-0075?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>

21) [20716] CT Logging Manual QTH?
by "Mark S. Adams" <msadams@acsu.buffalo.edu>

22) [20717] Memory Keyer
by fmathews@norfolk.infi.net (Frank Matthews)

23) [20718] FS: Autek QF-1 Filter
by Steve Galchutt <N0TU@webaccess.net>

24) [20719] A&A 30m QRP XCVR RX overload question.
by "Bob Duckworth" <wb4mnf@atl.org>

25) [20720] GM30-DX
by "Jeff M. Gold" <JMG@tntech.edu>

26) [20721] Re: GM30-DX
by Nick Franco <kf2ph@bnl.gov>

27) [20722] Re: Need Better Field Day Logging Method
by AlK0FRP@aol.com

28) [20723] Re: ? Black Widow Pole w/SLT and MMA coil
by Bob Hightower <ki7mn@dancris.com>

29) [20724] Re: ? Black Widow Pole w/SLT and MMA coil
by Bob Hightower <ki7mn@dancris.com> (by way of Bob Hightower
<ki7mn@dancris.com>)

30) [20725] QRP-L Hints and Kinks
by "Paul R. Valko" <prvalko@Oakland.edu>

31) [20726] Dan's Small Parts
by Bruce Rattray <rattray@siast.sk.ca>

32) [20727] Re: FS: Autek QF-1 SOLD tks!
by Steve Galchutt <N0TU@webaccess.net>

33) [20728] Re[2]: Need Better Field Day Logging Method
by ptaber@microtest.com

34) [20729] Re: QRP-L Hints and Kinks
by adams@chuck.dallas.sgi.com (Chuck Adams)

- 35) [20730] QRP Maps ?
by TMOLL@aol.com
- 36) [20731] Short Wave Receiver
by Jerry Parker <jparker@fix.net>
- 37) [20732] Re: GM30-DX
by n4js@amsat.org
- 38) [20733] Fishing Pole for SLV
by jeverhar@camden.lmco.com
- 39) [20734] Re: Belgium Call ??
by "Kevin F. Glynn" <KFGlynn@prodigy.net>
- 40) [20735] Re: Crystal measuring by piano
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 41) [20736] hamlog 100 (fwd)
by Stan Skelton <sskelton@cln.etc.bc.ca>
- 42) [20737] IS QRP COOL, OR WHAT?
by Russ Carpenter <russ@natworld.com>
- 43) [20738] Telescoping Fishing Poles (SD-20) Source
by Union Texas Petrochemicals <stevensj@sound.net>
- 44) [20739] FD Logging Program
by kd4kzq@juno.com (Jim A Norsworthy)
- 45) [20740] 50/40/30: change to PA schedule
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 46) [20741] Belgium Call
by Scottae4vq@aol.com
- 47) [20742] Re: FD Logging Program
by Bob Hightower <ki7mn@dancris.com>
- 48) [20743] IC 735 4 Sale
by Bill Todd <bill@techline.com>
- 49) [20744] Re: FD Logging Program
by Bob Hightower <ki7mn@dancris.com>
- 50) [20745] VK callsign server????
by Dale Anderson <dalea@artemis.fc.hp.com>
- 51) [20746] Oscillator design
by John Mckee <JMckee@RFMD.COM>
- 52) [20747] Re: Memory Keyer
by Bill Jones <kd7s@psnw.com>
- 53) [20748] Re: Oscillator design
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 54) [20749] A.R.S.
by w7rfm@juno.com (John E Hirsch)
- 55) [20750] Re: Need Better Field Day Logging Method
by AE0Q V31RY <v31ry@ix.netcom.com>
- 56) [20751] Re: GM30-DX
by "Matt Wright, AE4JM" <cnw@hiwaay.net>
- 57) [20752] Island Memory
by mykey@aztec.asu.edu (MICHAEL C. TODD)
- 58) [20753] I'm Back
by "Phil, K6LS" <k6ls@qsl.net>

59) [20754] 10 M Texan QRPers?
by ji3m@maxwell.com (James R. Duffey)
60) [20755] FD Logging...
by Harry Bump <bump@redrose.net>

Date: Mon, 2 Jun 1997 19:03:15 -0400
From: "Heron, George" <G.Heron@dialogic.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>,
"mgemm@mtechnologies.com" <mgemm@mtechnologies.com>
Subject: [20696] RE: CW Bandwidth
Message-ID:
<c=US%a=_%p=Dialogic%l=EXCHANGE1NJ-970602230315Z-22514@exchange1nj.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Marshall -

Coming at this from a different perspective, it really is the frequency of the CW "square" wave that determine the ultimate bandwidth used. The transients are close to being the same with fast keying as compared to slow keying, but it's truly the frequency of keying that determines the overall bandwidth consumed in the transmission.

I'm not a PhD expert or anything, but consider this:

1) For a given CW signal (e.g., a continuous string of "dits") of frequency F, there will be energy going out infinitely in positive (and negative) directions at odd multiples of the base frequency F, contained within a decaying envelope.

2) At some point, a "real" system (like the hardware and filters in our rigs) filter the spectrum to cut it off and limit the tails of that energy spread. Let's say that the filtering happens at a level of -100dB (I don't know, some arbitrary verrrry low level).

3) The resultant bandwidth of energy you are transmitting into the ether therefore is that spread defined by the outer limit at that -100dB cutoff point.

(And BTW, those decaying frequencies we just cut off to limit bandwidth ~~were~~ used to complete the approximation of the square wave, and by eliminating them we produce ringing on the edges of the transmitted signal ... called the Gibb Effect, or something, and we hams call this clicks and transients.)

4) Now, here's the crux of the point: If you INCREASE the frequency of

your string of "dits" to $F+n$, the spectrum defining that square wave moves out accordingly -- same shape of the energy envelope, but just wider. And since the filtering done by our rigs continues to be done at -100dB (or whatever), the bandwidth defined by that transmission frequency $F+n$ is likewise larger.

5) If you DECREASE the frequency of your "dit" string to $F-n$, the spectrum is likewise smaller, the -100dB cutoff points are closer in, resulting in less BW consumed.

Hope I didn't needlessly confuse the matter, but I found the discussion interesting. Hope it helps.

--George N2APB
g.heron@dialogic.com
<http://www.njqrp.org>

=====

Marshall wrote ...

"I've got some more responses to go over, but so far I still don't understand how the bandwidth can be affected by the keying rate. Surely the clicks and transients must be identical (resulting in specific if not literally measurable bandwidth) regardless of the rate? "

Date: Mon, 2 Jun 1997 20:04:34 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@Lehigh.EDU
Subject: [20697] Trails of Radios: Cold slobber joints &c
Message-ID: <970602191800_222464490@emout17.mail.aol.com>

Gang,

I'm being badgered by cold solder joints. First I thought I had one on the TAC1/40 board that I picked up at Dayton. I had the rig runnin'. Heard a lot of good signals from all over on it and was really pleased to have gotten that far. But then . . . but then . . .

Had what I thought was an intermittent. Turned off the radio, disconnected the front panel board from the main board. Flipped over the main board and set to squinting and slobbering. Figured I'd found all the badgers and flipped the radio back over. And then . . . and then . . . As I was pluggin' in the front panel board, the radio goes "blip" and then all I got was that neat sound you get from a VCO running open. No control voltage. No VCO. No nada. Forgot to displug the power hose.

Quick sent email to Dick & Kathy. Quick got response. Sure, send the radio and we'll fix your mistaken ideas about how electricity works. Works for me. But then . . . but then . . . I got to work and did some probulatin' around. Figger all I gotter do is deslobber one 16 pin DIP without destroying the board (yeah, right) and maybe I'll be back on the toaster.

But then . . . but then . . . I came home and flipped over the Argosy and finished destalling the counter what I'd put in it. Even got the counter noise to tolerable levels. Of course, to do this, I had previously modified (read: "messed up") the osc/mixer board (the one with all the band switch stuffages on it). Got that done last night. Worked. Worked nice. Heard stuff. Last night. (remember them words kids: "Last night").

Fine. I get home. I looked at last night's work and checked all the screws on the board what hold it in the chassis. Replace the front panel & knobs. Tighten down all hard ware. Back go all the little hoses. Back and back and back. And then . . . and then . . . I turn on the radio, hook it up to the antoona and . . . Nada. Nichts. Ingenting. Intet. No-thing. Zip. I look at the hoses. I make sure they all plug in. I make sure they all unplug. And then . . . The little two pin doodad what takes the hose from that board to the receiver IF is loose on the board. As in: cold slobber joint . . . on the side of the board that requires removing the entire board again. All the cabinet screws, all the shield screws, all the front panel hardware, all of it. And another adventure into finding more cold slobber joints.

Ah, the fun never ends, do it? Jeff's right: there are a lot of really neat kits out there. Lots of marvelously talented folks are dreaming up new toys for the likes of youze and meeze. Only one problem. No, it ain't that "too many kits and not enough time [or money]" hippy crap. It's easier 'n that. The problem is simple: me.

I am gonna have to get those badgers confined for the duration. This is getting entirely out of hand. Just wait 'till I try to slurp all that slobber off the TAC1 board, down there around U7, without rippin' up every foil on the sucker. Like I did with the 5 watt mod space on the NC38S.

Hello, leather shop? Can you send up some more straps?

73
Nils
WB8IJN &c

Date: Mon, 2 Jun 1997 18:17:00 +0100

From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
To: QRP-L <qrp-1@Lehigh.EDU>, GQRP-L <gqrp-1@blacksheep.org>
Subject: [20698] Work this one?
Message-ID: <865280573.114244.0@gqrpclub.demon.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Frank G3YCC wrote:

>
> From: DL90CI @ DB0FD.#NDS.DEU.EU (Guenter)
> To: QRP @ EU
> X-Info: Upload without password authentication
>
> Try a qrp-qrp contact with DK0DA/P,
> this station will be activ as a qrp-station during the fieldday contest
> 7. and 8. of June for 24 heures beginning at 15:00 UTC. Normaly we work
> search and punch but on each full houre we call about 1 to 2 kHz below
> the qrp caling frequency on the open band. We will confirm all qrp
contacts
> sure via buro. Let's have a short chat and enjoy qrp.
> Best 73 and see you in the test, Guenter DL90CI op DK0DA/P.
>
> (from packet)
>

Hello Frank,

I am also working QRP during EU-FD-Test with my modified FT7 and Dipol
and perhaps 3el yagi. The Call is DL0WB/P. We hve enough guys for the
hard work, but no CW-OPs. So I decided to run Single-OP for this year.

Please forward these Info to the qrp-folks. Will send QSL 100%.
Strategy is grabbing most time and cq around full hour near qrp-qrgs.

thanks.

73 de Werner

dl4tj@t-online.de

fowarded as requested.

Frank G3YCC
QRP Web Site: <http://www.gqrpclub.demon.co.uk>

Date: Mon, 02 Jun 1997 22:22:13 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: "Ed Manuel" <n5em-qrp@msn.com>
Cc: qrp@pandora.lugs.org.sg
Subject: [20699] RE: VHF with NE602As?
Message-ID: <3392d718.pandora@pandora.lugs.org.sg>

On Mon, 2 Jun 97 18:45:49 UT, "Ed Manuel" <n5em-qrp@msn.com> wrote:
> Number 5 is the gotcha. If you have to have an external osc., why bother with
> the '602. Go ahead and use a DBM (TUF1, SBL1) which work better and have
> higher dynamic range. Getting enough drive is not a problem.
>
> So, my recommendation is to use another approach. You COULD probably make a
> '602 do the front end conversion at 2 meters - but the effort would probably
> not end up being worth the extra components - and if you can't keep it as
> elegantly simple as you do at 40 meters, where is the attraction?

Hi Ed,

I was of the mind of keeping this simple so I can build many of them. I also happen to have a large number of 602's on hand so I thought I would try to use them. The Motorola MC3362/3 can be built into a VHF set real easy, it seems but its all theoretical.

73 de 9V1ZV Daniel

--
+-----+-----+
Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	danwee@singnet.com.sg
QRP-L #667	9V1ZV@amsat.org
+-----+-----+

Date: Mon, 2 Jun 1997 18:34:24 -0700 (PDT)
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
To: daniel@pandora.lugs.org.sg
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20700] RE: VHF with NE602As?
Message-ID: <Roam.SIMC.2.0.6.865301664.9018.myers@bigboy>
Content-Type: text

Daniel 9V1ZV wrote:

> On Mon, 2 Jun 97 18:45:49 UT, "Ed Manuel" <n5em-qrp@msn.com> wrote:

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> > the '602. Go ahead and use a DBM (TUF1, SBL1) which work better and have
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> >
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> also happen to have a large number of 602's on hand so I thought I would try
> to use them. The Motorola MC3362/3 can be built into a VHF set real easy, it
> seems but its all theoretical.

Sure, you can use an NE602 or an MC3362 to build a VHF receiver. It will have poor dynamic range, and will require an RF amplifier for decent sensitivity (which will just make the dynamic range worse). If you were building a pager or pocket scanner, the MC3362 might be interesting.

However, a TUF-1 and few J310s/2N5179s will build a much better front end, then a garden variety MC3359/3361 will do the trick for the IF.

The Ramsey FX receivers are essentially 3362 based (they use a different part from Motorola, same basic performance). They're not very good, comparable perhaps to my old Drake TR-22 only they're worse cause of the noisy PLL. Go one better, build a receiver that performs like a real radio (i.e. Motorola or GE land mobile).

; -)

Dana K6JQ
Dana@Source.Net

Date: Mon, 2 Jun 1997 18:52:33 PST
From: dwink@juno.com (Daniel C Winkler)
To: qrp-l@Lehigh.EDU
Subject: [20701] Crystal measuring by piano
Message-ID: <19970602.185343.7567.5.DWink@juno.com>

Gang,

Scott Paul kindly pointed out that in my haste to get my previous post off (before going to a movie- which

we missed anyway!), I made a musical error. To quote:

"Each note is a half step (1.06 factor) and there are two such half steps between A and B but only one half step from B to C. Also, a single half step between E and F."

So you gotta use them funny sounding black keys.

I am the non-musician in the family. I should have looked up the appropriate numbers in my son's book (he doesn't live at home any more, but some great books remain behind. He's the real professional in the family).

Bruce noted that pianos cost a little more than frequency counters (!), but I maintain that pianos are readily available. The talk he referred to at FIDM was fabulous, and I highly recommend it. My point was that even an untrained ear could easily match crystals to within the needed tolerance, using simple gear.

As John at Phoenix crystals pointed out, you do need to be sure the crystals you measure are all on the same side (lower in the case of my example) of your fixed reference crystal frequency. That's why it wouldn't pay to pull that parallel reference crystal down too close to the crystals being measured- you might end up in the middle of the group and two crystals you mark as "150" might be 300 Hz apart!

OK. Does anyone know how much spread there will be in the series frequencies of a bunch of crystals matched at their parallel resonance? That was the real gist of my original post.

Dan Winkler N7IVR Seattle WA

Date: Mon, 2 Jun 1997 18:54:16 -0700
From: mderisio@sprynet.com
To: qrp-1@Lehigh.EDU
Subject: [20702] QRP Sprint 40 question.
Message-ID: <199706030154.SAA15479@m9.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi gang: I just bought a qrp Sprint for 40mts (Oak Hill Research) at the Rochester Hamfest, and works like a champ, but do not have any technical data from it. I would appreciate very much if anyone can tell me via e-mail the main features of this little rig.

73..Marcelo
N2YHQ/DA4DS/LU1BSM
QRP # 840

Date: Mon, 2 Jun 1997 21:59:23 -0400 (EDT)
From: "Paul R. Valko" <prvalko@Oakland.edu>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [20703] SOLD - R-820 receiver
Message-ID: <Pine.OSF.3.95.970602215256.12000D-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The R-820 was spoken for by three differant hams! What a response from all you great guys.

To answer the most common questions in one shot:

It is all solid State.

Bands 160~10 meters with WWV 10MHz "band" also the four main SWL bands, NOT FULL 500khz~30MHz general coverage, NOT WARC out of the box but could be crystaled for WARC bands in the AUX BAND position.

Digital Display with secondary analog dial.

6khz, 2.4khz, and 500hz crystal filters, IF shift, tone controls, notch, etc.

BIG and heavy, typical 1970s/1980 japanese psudomilitary-look rig.

I think that covers most questions... :-)

vy 73 =paul= w8kc

Date: Mon, 2 Jun 1997 22:00:59 -0400 (EDT)
From: Scottae4vq@aol.com
To: qrp-1@Lehigh.EDU
Subject: [20704] Belgium Call ??
Message-ID: <970602220040_-596243402@emout18.mail.aol.com>

Group:

Has anyone worked O T 7 T recently ?
Does anyone have QSL routing or manager information ?

TNX

72's... Scott AE4VQ

Date: Mon, 02 Jun 1997 23:05:08 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [20705] RE: VHF with NE602As?
Message-ID: <3392e170.pandora@pandora.lugs.org.sg>

On Mon, 2 Jun 1997 18:34:24 -0700 (PDT), "Dana H. Myers"
<myers@bigboy.West.Sun.COM> wrote:

> Sure, you can use an NE602 or an MC3362 to build a VHF receiver. It will
> have poor dynamic range, and will require an RF amplifier for decent
> sensitivity (which will just make the dynamic range worse). If you were
> building a pager or pocket scanner, the MC3362 might be interesting.
>
> However, a TUF-1 and few J310s/2N5179s will build a much better front
> end, then a garden variety MC3359/3361 will do the trick for the IF.
>
> The Ramsey FX receivers are essentially 3362 based (they use a different
> part from Motorola, same basic performance). They're not very good,
> comparable perhaps to my old Drake TR-22 only they're worse cause of the
> noisy PLL. Go one better, build a receiver that performs like a real
> radio (i.e. Motorola or GE land mobile).

Hi Dana,

Thanks for the reply. I am just thinking of something small and simple,
and easy to construct because I want to build quite a few of these things. I
can think of a number of uses. For example, I can position some all over to
use to triangulate on a signal, etc. Performance is not critical but more

sensitive is better, of course. Mainly I want to just get something that works and then build up from there. It looks like NE602A's are out of the question. I have many of these lying around waiting to be put to good use. I would prefer the MC3363 but they do not come in DIP packaging. The 3362 is probably workable so I will try to take a look at that.

Do you have any ideas how small/simple I can build a VHF/UHF receiver?
Thanks.

73 de 9V1ZV Daniel

```
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+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg      |
| QRP-L #667 | 9V1ZV@amsat.org            |
+-----+-----+
--
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg      |
| QRP-L #667 | 9V1ZV@amsat.org            |
+-----+-----+
```

Date: 02 Jun 97 22:22:21 EDT
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
To: "INTERNET:mderisio@sprynet.com" <mderisio@sprynet.com>, "\"OHR\""
<ohrqrp@netonecom.net>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>,
"W.D. (Doc) Lindsey/K0EVZ" <70511.3041@CompuServe.COM>
Subject: [20706] QRP Sprint 40 question.
Message-ID: <970603022220_70511.3041_IHD56-1@CompuServe.COM>

Marcelo:

I suggest you contact Dick at OHR. Here is his e-mail address:

ohrqrp@netonecom.net

Dick will undoubtedly be glad to send you the specs. Fine gent, great company, excellent rig. You got hold of a good QRP rig, OM. Congrats.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 mn-qrp 19 nj-qrp 69 ak/qrp 139
ARCI ??? ARRL WAS 49/38 DXCC 41/38 <><

Sierra Argosy 525 Argo 515 QRP++ QRP+ HW-9 Explorer II-30

Norcal 40a SW-30 49er 38S Schurr Paddles TNT/2 Windom SLV/W6MMA

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 2 Jun 97 19:31:26 +0000
From: tgordish@concentric.net
To: <daniel@pandora.lugs.org.sg>, "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [20707] Re: VHF with NE602As?
Message-ID: <199706030229.WAA29500@marconi.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

This is a very good question. I would like to build a crystal controlled QRP transciever for high speed packet. Does anyone have any plans or schematics for something like this?

Tim & Aretta Gordish
KB9LGJ & N0YDG
Yuma, AZ

All the nations may walk in the name of their gods, we walk in the name of the Lord our God for ever and ever" Micah 4:5

Date: Mon, 2 Jun 1997 22:53:44 -0400 (EDT)
From: EBikales@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20708] Back From the U.K.
Message-ID: <970602225256_-960996923@emout10.mail.aol.com>

Dear QRP-L Club:

I'm back from my UK tour and glad to be home again! It was a pretty uneven tour musically speaking. Our sax player missed the first three dates because of illness. The backup singer lost her voice, and even Neil cancelled-out the Bournemouth concert because of a "cold". All this translated into a lot of extra work for me (on keyboards) just to hold things together. Somehow we still made it though, although I didn't get as much

time with my radios as I hoped for.

For those of you who haven't operated from a distant QTH, it's really exciting. Twenty meters is jam packed with all those wonderfully exotic call signs I only wish I could hear from my home in Los Angeles. T97, SM, HA, LY, SV, S53, CT, OH, ES, and SP's are all easy targets, even running QRP. The number of Russian stations seemed endless and there was more activity almost around the clock, probably because there are so many separate countries on.

I had very little trouble raising anyone I called. And, had a few satisfying QSOs with other European QRP stations. The down side is: they don't count for my DXCC....bummer!

As usual, my success rate for getting the old antenna on the roof of the hotels was pretty good. Only a couple places presented insurmountable odds. The security at the Glasgow Marriott took a rather dim view of my activities on the roof, requiring some immediate and rather delicate negotiations with the management. However, victory was mine again, as they allowed me to "finish the installation" with the help of their own "relatively enthusiastic" engineers. I say victory because we did three shows there and I actually had some time to operate.

I used my dipole whenever possible, but depended on my Isotron in the tougher installations, and it performed beautifully. You might be surprised how well that little thing works when bolted to the floor lamp, sticking out the window at about 100 feet.

It was a real thrill to work U.S. stations from over there. And, during the big contest on May 24th and 5th, I was really amazed at all the Ws and Ks that could copy me. I guess these guys have really big antennas! I was equally disappointed that I couldn't seem to raise any QRP homeboys, until the very end of that contest, which coincidentally happened to be my last opportunity on the tour. My last QSO in the test was: at 23:59Z, N4DD/QRP (!) That blew me away!

Finally! A USA QRPer! Then, somehow topping that was: 00:10Z a "real QSO" with N4ROA ! It was like poetry. We made the contact. We exchanged 229s, got each other's names-correctly. All this just barely copying one another, we said our 73s as the QSB washed over our QSO like an ocean wave.

That was the last QSO I made from the UK, and the best.

I'd sure like to thank everyone who took the time to email me prior to the trip (may I hear from you again..) and those who may have been listening for me, as well. Feel free to drop me an email with any comments or questions you may have. I'll be operating from the Desert Inn in Las Vegas June 11-15th, while we're appearing there. Please listen for me! We'll have a much better shot...

Best 72

Eric AC6NT

Date: Tue, 03 Jun 1997 00:58:56 +0800

From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>

To: qrp@pandora.lugs.org.sg
Subject: [20709] VHF with NE602As?
Message-ID: <3392fbd1.pandora@pandora.lugs.org.sg>

Hi All,

From the responses it looks like there is some interest in whipping together a tiny, simple VHF/UHF receiver. Someone mentioned a recent QST article, I've got to check that out. In my Motorola Communications Databook, there is an appnote for building a 2M synthesized rig around an MC3363, and a non-synthesized 160MHz receiver around the MC3362. Both look relatively easy but I have never homebrewed (layout and all) my own VHF stuff so this is something new for me.

It would be great if we can build a tiny little transceiver with easily available parts and all, into a tiny enclosure. I can think of a lot of uses for these little things.

Does anyone know what is the simplest configuration that I can get away with? The MC3363 is very simple as far as I can tell but it calls for some quadrature coils (discriminator) that I know little about, much less know where to get them. Right now, I can live with fixed (xtal) frequency but my knowledge of LO's at VHF/UHF is lacking.

Any ideas? I'd like to try but it should not be too complicated because I am somewhat busy these days.

Thanks for all the responses and interest.

73 de 9V1ZV Daniel

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+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      | danwee@singnet.com.sg    |
| QRP-L #667 | 9V1ZV@amsat.org                     |
+-----+-----+
```

Date: Tue, 03 Jun 1997 00:53:01 EDT
From: n0acs@juno.com (John R. Morris)
To: qrp-l@Lehigh.EDU
Subject: [20710] PHOENIX CRYSTALS NEW E-MAIL ADDRESS
Message-ID: <19970602.224319.2423.1.N0ACS@juno.com>

Hi gang,

This will be the last time I use JUNO so please note my new e-mail address which is:

phxtal@nava-link.net

All future queries and messages should be directed to this new address.

Thanks to everyone for your orders and support.

72

John

PHOENIX CRYSTALS
1714 NORTH ASH STREET
NEVADA, MO 64772

E-MAIL: phxtal@nava-link.net

Phone: (417) 667-6179

Date: Tue, 3 Jun 1997 01:00:38 -0400 (EDT)
From: WD6BOR@aol.com
To: ki6ds@telis.org, qrp-1@Lehigh.EDU
Subject: [20711] TiCK 2 SMD report (somewhat long)
Message-ID: <970603010037_22745161@emout12.mail.aol.com>

Dear Doug and the list,

Well, I just finished up the TiCK Memory Keyer, SURFACE MOUNT EDITION, that Doug brought back from Dayton as my building contest prize, and I must say it was a real pleasure to build.

I was all set to tell everyone about having to steal my granddaughter's microscope and my wife's tweezers to put this kit together, but I am worried someone might take me seriously. As if anyone who knows me would do that. I did use my magnifier/light and another magifying glass to identify parts, but anyone with good eyesight wouldn't need to do that.

Embedded Research put this kit together as a surface mount learning experience. To that end they included a very detailed six page manual with large, clear, well detailed illustrations and a comprehensive step-by-step building guide. I had built their Atomic Memory Keyer as well as TiCK 1 keyers in 38 Specials as well as one stand alone, and have found their instructions always done to the same high level standard.

The kit is furnished with a single sided (naturally) glass epoxy board with

all the traces already tinned. There are only four surface mounted parts, including the eight pin IC chip and one each capacitor, resistor and transistor. If you've already built a standard TiCK 1 or 2, you already know what a simple board it is. The complete unit consists of the chip and keyline transistor with series resistor and bypass capacitor, two wire keyline jack, three wire 3.5 mm (stereo) paddle jack, momentary normally open push button switch, audio output (with a piezo audio transducer supplied with the kit for built-in sidetone) and your choice of a power connector that you furnish. They even include a coil of solder as part of the kit.

As is usual, "stuffing the board" took the least amount of time. Shakey as I am at the end of the day, it took less than 15 minutes to prep and solder the components and leads to the board. The folks at Embedded Research even made the pad larger than usual for surface mount construction to make it possible for a first time SMD builder to make the rig fire up right off the bat. If you have a habit of dropping parts you shouldn't worry because they furnish two each of the capacitor, resistor and transistor "just in case". The jacks, piezo and push button soldered up in just a few more minutes.

I spent the most time adapting a Radio Shack AA battery holder to fit a DL 123A 3 volt lithium camera battery. After working out the details with the Atomic Keyer, I just cut two 1/2" by 1/2" squares of printed circuit board and soldered the power leads from the keyer to each one. I then cut a piece of 3/8" wooden dowel 3/8" long and shimmed the battery into that. Although I had installed a switch in the Atomic Keyer, I didn't even bother with the TiCK 2 because when it is not in use it goes into "sleep mode" and draws about one microamp of current. Any power source between 3 and 5 volts will work.

Probably the biggest problem facing me was finding an enclosure SMALL enough for the TiCK 2. An Altoids tin was ruled out right away because it was just too cavernous (and because I had already put the Atomic Keyer into an Altoids tin). I finally settled on one of my preciously hoarded Celestial Seasonings tins only because they are so pretty and I hadn't put anything into one yet. After drilling the tin for the jacks and switch, I took Doug's suggestion and simply epoxied the board to the top of the jacks. Looking over the finished product, I'm left wondering what to do with all the left over space inside the tin. Maybe a 386 audio amp to boost the sidetone.

Programming the TiCK 2 is just like the TiCK 1, with the exception of the ability to store a message of up to 20 to 25 characters. The push button is held until the code letter for the function desired is heard. Some of the functions include speed set, memory input and playback, tune mode Iambic A and B mode, and straight key mode, as well as a couple others. The programming takes about 30 seconds to learn after which you'll spend from several minutes to a couple of hours playing with it.

Because I didn't have to buy the kit, I can't tell you what it actually

costs. I know the TiCK 1 keyer and TiCK 2 memory keyer go for \$5 and \$10 respectively for just the chips, last time I checked. I bought a TiCK 1 with a board when I ordered several other TiCK chips to go into some 38 Specials I'm building and that was \$10 with the board. After building that one, I felt it was well worth the price of the board for the convenience and nice appearance of the finished keyer. Contact Embedded Research at embres@vivanet.com or check out their web page at <http://www.vivanet.com/~embres> to get their latest prices.

It's amazing what has been accomplished with a PIC microcontroller. I've got several Curtis keyer chips waiting to go in various rigs and I'm wondering now if a \$10 8 pin DIP memory keyer wouldn't make more sense.

These keyers are definitely going out with the club on Field Day.

72 es 73,
Darrel Jones, WD6BOR

Doug, I'll send you some pictures for the next QRPp.

Date: Tue, 3 Jun 1997 00:23:32 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20712] Re: CW Bandwidth
Message-ID: <2.2.16.19970602221325.5137a058@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:54 AM 6/2/1997 -0400, Scott Rosenfeld NF3I wrote:

>The bandwidth of a periodic signal can be defined.

>

>The bandwidth of a single pulse can be defined as well.

>

>Because OOK Morse, as used for language, is a fairly random process, it

>would be possible to characterize it mathematically, and to perform a

>Fourier transform on it in order to bring it into the frequency domain.

>Note that the result would ALSO be a random process. There IS no set

>"bandwidth" - it's dependent on the speed of the code, AND it is itself a
>random process.

True, it is a random process, but it can be characterized on average. We do that with pseudo-randomly phase coded radar pulses. I've picked up a smidge of signal processing while being a computer jack of all trades for a small

research corp. I envy you both your classwork and your mathematical abilities to handle classwork like that.

72,

John

@~~~

@ John Elder, Ko6TS

@ PHROG (Pagan Ham Radio Operators' Guild)

@ Box 232, El Segundo, CA 90245

@ So many fools, so few comets . . .

Date: Tue, 3 Jun 1997 00:22:35 -0800

From: svecbrdk@well.com (L.Svec,W.Burdick)

To: qrp-1@Lehigh.EDU, darius@dsp.com, darius@dsp.net, rarland@microserve.com, ki6ds@telis.org, ddm@datatamers.com, erics@cruzio.com, mvjf@mvubr.lucent.com, turner@safety.ICS.UCI.EDU, Bensondj@aol.com, iapizloj@bicc00.bi.ehu.es, wirish@xerox.com, walt.thomas@gsfc.nasa.gov, RobCap@aol.com,

Subject: [20713] KC1 FREQ. COUNTER NOTE (w/SST): Simple way to improve VFO signal

Message-ID: <199706030721.AAA01795@smtp.well.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi all,

The frequency counter section of the KC1 is typically coupled to a strong VFO or VX0 using a small capacitor. However, in the SST, the VX0 signal is both high in frequency and low in amplitude, so I needed a different method. The technique I'll describe may work in other KC1 installations, too.

NOTE: These instructions will be included in the SST manual.

Here's the trick:

Instead of connecting the KC1 directly to the VX0, I connected it to the output of the receive mixer's on-chip buffer (U1, NE602 or NE612, pin 7). Using this buffer effectively isolates the VX0 from the KC1. However, due to the low VX0 amplitude, a large (100pF) coupling cap is needed from U1 pin 7 to the KC1. This large cap causes the KC1 to load down the buffer, reducing its output voltage. What to do?

An often-used trick with the NE602 to improve oscillator starting is to put a resistor from pin 7 to ground. What I discovered is that this trick also stiffens up the buffer, allowing it to tolerate the large coupling cap for the KC1 without much reduction in signal. (The current drain of the '602 goes up slightly when you do this--less than a milliamp.) There is no other apparent effect on the NE602's performance.

Besides using the trick above, there are a couple of other steps you'll need to perform when installing a KC1 in an SST. Here's the complete list:

1. Change R3 on the KC1 from 3.3K to 470 ohms. This greatly improves the gain of the KC1's on-board VFO amp at high frequencies. (It also adds 3mA to the KC1's current drain. Can't get something for nothing....)
2. Use a large value for the VFO coupling cap (Cv). 100pF seems to work fine. Connect the SST to pin 7 of the receive mixer (NE602) through Cv as shown in the KC1 manual. This is the normal connection point, indicated by "CTR" on the SST PC board.
3. On the SST, add a resistor from pin 7 of U1 to ground to lower the impedance of the NE602's on-chip buffer. 15K will do the trick.
4. Other aspects of the KC1 installation in the SST are similar to the NorCal 40/40A, except that I recommend NOT using the KC1's MUTE output. Just leave it disconnected. As for the sidetone coupling cap, try .01uF.

The KC1/SST combination installed as described draws 22 to 23mA from 12V when using headphones. You can shave a couple of mA by substituting a "micropower" 5V voltage regulator for U2 on the KC1.

73,
Wayne
N6KR

Date: Tue, 03 Jun 1997 04:52:58 EDT
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [20714] ? Black Widow Pole w/SLT and MMA coil

Message-ID: <19970603.010022.10247.3.KA7YOU@juno.com>

I know someone posted some info about using the Black widow Pole with the MMA coil. Is it practical, or do i just get the SD-20 instead. The Black widow Is listed in Cabellas, but I didn't see the SD-20. Do they have it also, or is it sourced somewhere else?

Thanks,

Rod Johnson KA7YOU from CN97AK near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)
NWQRP#120 ARCI#7251 QRP-L#844 NorCal #2007

Date: Tue, 03 Jun 1997 06:08:10 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [20715] Replacement for SPC119-0075?
Message-ID: <3393444b.pandora@pandora.lugs.org.sg>

Hi,

Does anyone happen to know the replacement part for a power transistor:-

SPC 119-0075

This is a part made by Solid Power. I believe the part to be discontinued. It is a pass transistor in my Kepco power supply and it seems to have shorted out internally.

Failing that, would it be safe to combine different types of pass transistors in a parallel configuration? If so, I can just use some other part but I have no idea of the specs for this particular part. I'd appreciate any ideas. Thanks.

73 de 9V1ZV Daniel

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+-----+-----+
Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	danwee@singnet.com.sg
QRP-L #667	9V1ZV@amsat.org
+-----+-----+

Date: Tue, 3 Jun 1997 08:17:13 -0400

From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [20716] CT Logging Manual QTH?
Message-ID: <199706031215.IAA40807@nss2.CC.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gang,

I have a copy of CT V.6.26 (shareware I believe) but I have no documentation on how to use it. The on line help is a bit much to scroll through in an effort to find out if I want to buy the new version.

I cannot find the FTP site or web page that has this program or its documentation. Can anyone point me in the right direction?

72, Mark N2VPK
Member of the Buffalo QRP Connection
WIMPS: Qs=25/0/0 30m=25 17m=0 12m=0 States=15/00/00 DXCC=06/00/00

Date: Tue, 3 Jun 1997 08:41:40 -0500
From: fmathews@norfolk.infi.net (Frank Matthews)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20717] Memory Keyer
Message-ID: <v01530500afb9cdaf4a3b@[208.131.170.113]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fellow QRPers,

Can anyone suggest a memory keyer that will allow me to store such things as "CQ CQ CQ De Callsign Callsign Callsign" and alot of the other "normal stuff" involved in a QSO. I'd rather either build a kit or go with a circuit involving a basic stamp or PIC (since I have the hardware and software for these devices). I also want to be able to use my existing key (I'm a straight key man).

Any suggestions the group could offer would be appreciated. Could this even be the next "group project" for a QRP Club? NorCal, NJ, Columbus, Colorado, Alaska, and others...are you listening?

73, Frank

Frank Matthews
Technology Education Department
Oscar F. Smith High School
1994 Tiger Drive
Chesapeake, VA 23320
(757) 548-0696 Ext. 51
Email/fmathews@norfolk.infi.net

Date: Tue, 03 Jun 1997 06:44:08 -0600
From: Steve Galchutt <N0TU@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [20718] FS: Autek QF-1 Filter
Message-ID: <33941198.CA5@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale;
Autek QF-1 audio filter
No manual
case good, works fine
a few mods...external 12vdc jack
and internal spkr added
\$45 shipped

Steve email: N0TU@webaccess.net
Phone 719 590-2939 days 719 260-9909 eves

.....
N0TU/hw8/49er/NW8020/SW40/38s/solar/backpack-mobile... QRP-L # 911
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

Date: Tue, 3 Jun 1997 08:30:03 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>
To: "<" <qrp-1@Lehigh.EDU>
Subject: [20719] A&A 30m QRP XCVR RX overload question.
Message-ID: <199706031227.IAA26989@atl.org>

I traded for an A&A QRP 30m XCVR and took it up to the lake this past Sunday to use while my daughter sailed.

I brought along an 10' piece of wire with clip leads at both ends, a short SPL259 pigtail cable, and the Blue Racer bug. After parking the car next to an unused power pole, one end of the clip lead was connected to the center of the pigtail and the other was moved along the guy wire for the power pole until the received signal strength was as good as it was going to get. Power was fed to the radio via the power connector positive and the ground was completed to the car chassis through the outside of the pigtail. Amazingly, it worked, and I spent an enjoyable afternoon on 30m. Anyone else ever tried this? Basically a 40' wire, grounded at one end and tapped about 8' above (literal) ground.

This was my first experience on 30m and first with any of the A&A stuff.

Yesterday I thought it would be fun to try at home with a better 'antenna' and hooked up to the 80m vertical plane loop via the Johnson Matchbox Sr. The band was hot but the receiver was suffering from such severe overload with a 'proper' antenna that I wasn't able to work anyone. They could hear me just fine but there were too many strong signals and the RX was being totally wiped out.

Before digging out the manual and soldering iron, I'd like to hear any suggestions as to how to deal with this problem as it would be nice to use the radio at home too. (I live in downtown Atlanta and there are a good number of people on 30m in the Atlanta area). I suspect a smaller antenna might help but the loop gets out so well that it would be a shame not to use it. Anyone added an attenuator to RX or RF gain? Thinking some sort of RF gain control and running audio wide open might be the way to go???

As an aside, I'm looking for a few pieces of old gear and have a few to trade. Some QRP some not.

Wants. Gelooso TX/RX combo, Drake R7, R7A, or commercial version of the R7 (cream panel, wider case), Johnson Navigator (bad meter and ratty condx acceptable :-)
500W or more homebrew AM TX from 40's - 60's.
Brown Bros. paddle with straight key on same base.
J-36 or lightning bug (mine is at bottom Pacific Ocean)
National FB-7 RX and similar vintage preselector.
Hammarlund 310 RX.

Have. Collins KWM2A RE Waters PM-2 (pretty panel, needs a little work), PRC-47 LSB conversion mic and power cable (excellent), unused 4-1000 used 4-1000 socket and unused fil trans for 4-1000. 5W in 1500W out amp anyone? Heath HW12, HW32, SB101, HW101, and some acc. Harris RF-1014 and battery case. ARC-58 RX/exciter (100mw CW/SSB output mil radio by Collins part of TRC-75, also have control head and parts to homebrew a 100W out PA). Argonaut 509 (if present swap doesn't happen).

73,
-bob
wb4mnf

Date: Tue, 03 Jun 1997 07:49:48 -0500 (CDT)
From: "Jeff M. Gold" <JMG@tntech.edu>
To: qrp-l@Lehigh.EDU
Subject: [20720] GM30-DX
Message-ID: <01IJMMQ2XMCI8WWGV0@tntech.edu>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Well got home after a really long day and in between boring tv turned on my battery powered GM30 .. hooked to a Gap Vertical, not even tuned for 30, and too lazy to turn on power supply to use auto tuner.

heard OK2FD, worked him first call.. all copied ok, 2x 559 on <2 watts

love the new rig

72
Jeff, AC4HF

Date: Tue, 03 Jun 1997 09:20:39 -0400
From: Nick Franco <kf2ph@bnl.gov>
To: JMG@tntech.edu

Cc: qrp-1@Lehigh.EDU
Subject: [20721] Re: GM30-DX
Message-ID: <33941A27.6BDB@bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff M. Gold wrote:

>
> heard OK2FD, worked him first call.. all copied ok, 2x 559
> on <2 watts
>
> love the new rig

Jeff and group,

Heard and worked the very same OK2FD last evening on my SW-30 off a 6ah battery and my Butternut HF6V vertical. I have the power MAR mod in the SW-30 so I'm also running 2w on the little gem. I love this rig too. I know it's not and GM-xx with the extra features but a great little rig just the same.

My 2 watts worth.

72,
nick - kf2ph
QRP-L # 13

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

Date: Tue, 3 Jun 1997 09:40:40 -0400 (EDT)
From: ALK0FRP@aol.com
To: qrp-1@Lehigh.EDU
Subject: [20722] Re: Need Better Field Day Logging Method
Message-ID: <970603094037_-1732158427@emout20.mail.aol.com>

Bill

I deleted your original message so sorry for the non direct reply.

In contesting you can hand write the logs ,and in short contests, I have gotten by without a computer logging program. There is no way to dupe a contest without a good computer logging program (effectivley). Yes we tried in the pre-computer days but its just too slow. If you are working hunt and pounce with 5- 20 q's an hour well then it works. letting the other station dupe for you can get embarassing. Find an old laptop , as Glenn said use a 286 or 386 and use free shareware off the internet CT-6, K1EA's Contest software is free, and it works just like CT-9 for the most part. CT-9 will not work on a 286 but CT-6 and CT-7 will.

But if its a casual Field Day (almost said "Contest" as Field Day is not a contest). Thats a on going statement at CQC meetings.

CQC group goes out to win, others go out to Field Day to have fun but we all have fun, it's just that some of us (AA0XI, KF7MD,W2CRS(now W0AH), W0HEP and myself) have fun running 40-60 q's per hour and enjoy putting up, beams, towers and wire arrays (3-4 el deltas and V beams) that get our 5 watt signal on the same scale as the 100 watters.

After logging with a logging program you will know why we use them and get that edge on the non users. I'm sure someone can let you borrow an old lap top but you will need a charging system or lots of batteries because the computer will take more power than your 5 watt QRP rig. We use a generators to run the accessories and batteries for the rigs. But if all else fails just go out and have fun logging with the ARRL dupe sheets. Or FLY or Drive to Colorado and operate in the top notch, 1# in 2A Battery 1996, club .

73/72

Al K0FRP

Date: Tue, 3 Jun 1997 06:50:43 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: ka7you@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [20723] Re: ? Black Widow Pole w/SLT and MMA coil
Message-ID: <199706031350.GAA12768@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:52 AM 6/3/97 EDT, you wrote:

>I know someone posted some info about using the Black widow Pole with
>the MMA coil. Is it practical, or do i just get the SD-20 instead. The
>Black widow Is listed in Cabellas, but I didn't see the SD-20. Do they
>have it also, or is it sourced somewhere else?

> Thanks,

>

You can get the information from the South Bend page at:
<<http://www.south-bend.com/index.html>>. I don't believe you can order on
line yet, but you can send them a note.

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ Grid DM43bi Lat 33.334500 Long
-111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

Date: Tue, 3 Jun 1997 06:58:20 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com> (by way of Bob Hightower
<ki7mn@dancris.com>)
To: qrp-1@Lehigh.EDU
Subject: [20724] Re: ? Black Widow Pole w/SLT and MMA coil
Message-ID: <199706031358.GAA13162@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:52 AM 6/3/97 EDT, you wrote:

>I know someone posted some info about using the Black widow Pole with
>the MMA coil. Is it practical, or do i just get the SD-20 instead. The
>Black widow Is listed in Cabellas, but I didn't see the SD-20. Do they
>have it also, or is it sourced somewhere else?
> Thanks,
>

You can get the information from the South Bend page at:
<<http://www.south-bend.com/index.html>>. I don't believe you can order on
line yet, but you can send them a note.

I just checked the page again, and there is no mention of the SD-20. They do
make it, though, and if you send them a note, they'll get back to you. I
have asked for information on how to order, so will post it when I get it.

Date: Tue, 3 Jun 1997 10:02:35 -0400 (EDT)

From: "Paul R. Valko" <prvalko@Oakland.edu>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [20725] QRP-L Hints and Kinks
Message-ID: <Pine.OSF.3.95.970603094148.17600A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I sold a Kenwood R-820 through QRP-L and feel pretty bad about it.

I have had at least ten calls and a dozen emails from people that wanted the radio. Now, I've been on the opposite end of this procedure and it's not fun to see a piece of equipment you really want get sold before you even get a chance read the ad. I personally feel just as bad for all the folks that wanted to get the R-820 but were (in a couple cases) just a few minutes too late.

Perhaps it may be a real good idea to offer equipment for sale to QRP-L but hold all offers for 24 hours and draw one out of a hat? I don't know, but I heard the disappointment in those voices and could almost read the same in the emails I received. One of the reasons it's a great idea to sell/buy through QRP-L is that this is a pretty tight-knit group and nobody here would consider stiffing another member.

Since QRP-L is not real-time, many people read the digest mode, it's just a suggestion. That reminds me, those "DX-SPOTS" and "ON NOW!" posts are probably something that few of us and NONE of the digest readers ever could use, considering the fact that this isn't a real-time packet cluster.

vy 73 =paul= w8kc
collector of Ten★Tecs and other fine plastics

ObQRP: Wow, six meters has experienced a few days in a row of nice openings in the late afternoon. I used the TenTec 20M<=>6M transverter at 5watts and worked several staions in the south, FL, AL, TX, LA, etc. I HIGHLY recommend this kit to QRPers as a great way to experience the magic band with your 20M QRP kits!

Date: Tue, 03 Jun 1997 08:16:56 -0600 (CST)
From: Bruce Rattray <rattray@siast.sk.ca>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [20726] Dan's Small Parts

Message-ID: <7456160803061997/A31009/RIEL/11B61A103800*@MHS>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

I will be in Missoula next month, probably on July 17. I was wondering if it's possible to visit Dan's Small Parts business or is it strictly mail-order and one does not "visit"? Naturally if it is possible, I would like to purchase a few of the items that he carries. Thanks in advance to anyone who is more knowledgeable about this than I am...72 - Bruce (VE5RC) QRP-L#886
"QRP! How sweet it is!"

e-mail at: rattray@siast.sk.ca

Date: Tue, 03 Jun 1997 08:16:08 -0600
From: Steve Galchutt <N0TU@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"> <qrp-l@Lehigh.EDU>
Subject: [20727] Re: FS: Autek QF-1 SOLD tks!
Message-ID: <33942728.48DC@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Galchutt wrote:

>
> Steve Galchutt wrote:
> >
> > For Sale;
> > Autek QF-1 audio filter
> > No manual
> > case good, works fine
> > a few mods...external 12vdc jack
> > and internal spkr added
> > \$45 shipped

Date: Tue, 03 Jun 97 10:01:07 -0700
From: ptaber@microtest.com
To: <ALK0FRP@aol.com>, <qrp-l@Lehigh.EDU>
Subject: [20728] Re[2]: Need Better Field Day Logging Method
Message-ID: <9706038653.AA865346239@microtest.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> There is no way to dupe a
>contest without a good computer logging program (effectively).

There's a lot of truth in that statement, but there's also one trick -- if you don't have a computer and you're lousy at duping, call CQ. Let the other guy do the duping. Of course, you might get some dupes, but it's faster to do the exchange than to wave 'em off. (Listen to a wave off happen some time. "SRI OM DUPE BK" / "BK SEC? BK" / "BK DUPE UR DUPE BK" / "BK OK SRI OM BK" / "BK NO PROB BK" / "dit dit" / "dit dit" --OK, so maybe that's overstating it a bit, but it's a lot faster to send 3A EMA and let the other guy sort it out.) Naturally, you'll have to remove the dupes before submitting the log, but that's in the month of calm after the contest.

>>>==>PStJTT

Date: Tue, 3 Jun 1997 09:31:14 -0500
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: prvalko@Oakland.edu
Cc: qrp-l@Lehigh.EDU
Subject: [20729] Re: QRP-L Hints and Kinks
Message-ID: <199706031431.JAA23069@chuck.dallas.sgi.com>

Paul et.al.,

The sale of equipment, by any means, will always have some problem involved.

Everyone just has to sit down and admit it is exactly like want ads or for sale items posted on bulletin boards at the supermarket. It is and will always be first one gets it. It is being at the right place at the right time, just like a flea market.

Some would consider a drawing of names at random to be gambling, i.e. you are running a lottery and it is just as unfair.

It's a win/lose scenario. The one that gets the item wins and all others lose.

So, the seller has to put up with some sometimes serious email problems, the buyer has to not hesitate, and the digest readers have to put up with not being realtime.

So, in summary, pick your poison and let the games begin.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=032 30m=21 17m=5 12m=0 States=19/05/00 DX=03/00/00 QSLs=012

Date: Tue, 3 Jun 1997 10:34:21 -0400 (EDT)

From: TMOLL@aol.com

To: qrp-l@Lehigh.EDU

Subject: [20730] QRP Maps ?

Message-ID: <970603103401_420618479@emout14.mail.aol.com>

Hi Gang,

I am involved in developing commercial software that uses maps as the operator interface. This software has some fairly advanced geocoding capability (locating lat and long from an address). If the QRP community would be interested in seeing map presentations of the locations of QRP-L members, ARCI members, ??? members, your club members, etc. I would be glad to create them and share them via someone's web page, or provide hard copy maps. I would need a computer readable version of the member list to do this. Is there any interest in this out there? Are these lists available? Would anyone be willing to contribute web space for the end result? Is any one interested in hard copy of such maps (they would not be free due to printing costs, but this is *not* an attempt at a for profit venture by me). Any input or other ideas on how this might be put to use would be appreciated.

72, Tom Moll, NoBS

Date: Tue, 03 Jun 1997 07:38:28 -0700

From: Jerry Parker <jparker@fix.net>

To: qrp-l@Lehigh.EDU

Subject: [20731] Short Wave Receiver

Message-ID: <2.2.32.19970603143828.00ae36a8@fix.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I have a request from the other side for information about short wave receivers both kit and already to go.

I have limited experience with receiver kits so I am turning to the list for information.

1. What is currently available that is of reasonable quality and value.
2. What would you recommend.
3. What experiences have you had with the radio recommended.

I will post the results in a couple of days.

Thanks and 72,,,Jerry...WA6OWR...K

Date: Tue, 03 Jun 1997 10:42:45 -0400 (EDT)
From: n4js@amsat.org
To: Nick Franco <kf2ph@bnl.gov>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20732] Re: GM30-DX
Message-ID: <XFMail.970603104428.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

On 03-Jun-97 Nick Franco expounded:

>Jeff M. Gold wrote:

>>

>> heard OK2FD, worked him first call.. all copied ok, 2x 559

>> on <2 watts

>

>Heard and worked the very same OK2FD last evening on my SW-30 off a 6ah

>battery and my Butternut HF6V vertical.

Karel could well qualify for a WAQRP-L award. I worked him last night, also, with OHR400 and new 30M dipole. 5W, got a 579 report.

Sent at 10:44:28 on 03-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00

Date: Tue, 3 Jun 97 10:56:59 EDT
From: jeverhar@camden.lmco.com
To: qrp-l@Lehigh.EDU
Cc: jeverhar@camden.lmco.com
Subject: [20733] Fishing Pole for SLV
Message-ID: <9706031456.AA26612@train11.CAMDEN.LMCO.COM>

Gang,

Call me late, but...

I finally released enough disposable income to get two toys I've wanted for a looong time.

#1, Of course is a Sierra (with all of the band modules AND a KC-2) - It's on order and I'm anxiously waiting!

#2. I want to put together an SLV. I do have Cabellas's phone number but was wondering if they have a web page.

Or..... does anybody in the Southern NJ or EPA area carry 20 foot telescoping fishing poles?

72/73,

Joe E., N2CX

Date: Tue, 3 Jun 1997 11:22:26 -0400
From: "Kevin F. Glynn" <KFGlynn@prodigy.net>

To: <Scottae4vq@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20734] Re: Belgium Call ??
Message-ID: <199706031521.LAA74898@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Scott and Gang,

I think that's the special high power station that John ON4UN and other's work from Belgium. I worked one of their stations (OT6T I think) last year during CQ contest. I'll check logs and cards at home and will let you know. If so a good bet would be to QSL John ON4UN. You will probably get a QSL via the buro in any case.

72 Kevin N2T0

> From: Scottae4vq@aol.com
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Belgium Call ??
> Date: Monday, June 02, 1997 10:00 PM
>
> Group:
>
> Has anyone worked O T 7 T recently ?
> Does anyone have QSL routing or manager information ?
>
> TNX
>
> 72's... Scott AE4VQ

Date: Tue, 3 Jun 1997 09:50:25 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20735] Re: Crystal measuring by piano
Message-ID: <Pine.OSF.3.95.970603094639.9428A-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 2 Jun 1997, Daniel C Winkler wrote:

> "Each note is a half step (1.06 factor) and there are two
> such half steps between A and B but only one half step from
> B to C. Also, a single half step between E and F."

BTW the factor 1.06 comes from the 12th root of 2. If you start with a given note and want to find the next highest note, take the first note's frequency and multiply by the 12th root of 2. If you do this 12 times you get an octave and the frequency of an octave is double the original note.

> Bruce noted that pianos cost a little more than frequency
> counters (!), but I maintain that pianos are readily available.
> The talk he referred to at FDIM was fabulous, and I highly
> recommend it. My point was that even an untrained ear
> could easily match crystals to within the needed tolerance,
> using simple gear.

I seem to have missed the original discussion. Recently I bought a piano and I am interested in how one can use it to test crystals. BTW I have been looking into using my oscilloscope to tune my piano...

Brian.

```
+-----+
| Brian Buydens,          Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca      http://duke.usask.ca/~buydens |
| VE5RDV                                |
+-----+
| And it's Ho, boys, can't you code it, and program it right          |
| Nothing ever happens in the life of mine                            |
| I'm hauling up the data on the Xerox line                           |
|                               |
| Nigel Russell (Stan Rogers Band) - "White Collar Holler"          |
+-----+
```

Date: Tue, 3 Jun 1997 08:56:30 -0700 (PDT)
From: Stan Skelton <sskelton@c1n.etc.bc.ca>
To: qrp maillist <qrp-l@Lehigh.EDU>
Subject: [20736] hamlog 100 (fwd)
Message-ID: <Pine.SUN.3.95.970603085419.27436E-100000@c1n>
MIME-Version: 1.0
Content-Type: MULTIPART/MIXED; BOUNDARY=-----7BA64A9A6EAE
Content-ID: <Pine.SUN.3.95.970603085419.27436F@c1n>

This message is in MIME format. The first part should be readable text, while the remaining parts are likely unreadable without MIME-aware tools. Send mail to mime@docserver.cac.washington.edu for more info.

-----7BA64A9A6EAE

Content-Type: TEXT/PLAIN; CHARSET=us-ascii

Content-ID: <Pine.SUN.3.95.970603085419.27436G@cln>

Here's a great logging program for the Model 100 (sorry for the length but this is the quintessential QRP computer and a great simple logger)...for more on the Model 100 including MORSE.BA, go to www.the-dock.com/club100.html then to library, then to telecom

Stan, QRP-L #34, OHR Sprite 80, 38 Spec.

```
\ \ / | _ _ | | _ _ / / _ | | / / | _ _ |
 \ / | _ _ | / / \ _ \ | \ \ | |
  \ | _ _ | / _ / | _ / | \ \ | |
```

-----7BA64A9A6EAE--

Date: Tue, 3 Jun 97 09:13:25 -0700

From: Russ Carpenter <russ@natworld.com>

To: "QRP-L List" <qrp-l@Lehigh.EDU>

Subject: [20737] IS QRP COOL, OR WHAT?

Message-ID: <199706031614.MAA63984@nss2.CC.Lehigh.EDU>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

In last night's Spartan Sprint, several QRPers had remarkable outcomes. But the best of all was the QSO between Mike, W3TS (PA), and Bill, KD7S (CA). This transcontinental contact took place on 40 meters. Mike's transceiver was a homebrew marvel, weighing 0.8 pounds, running 1 watt. Bill's rig was his new Bumblebee Transceiver, weighing 1.1 pounds, also running 1 watt. In both cases, the weights include the transceiver, battery, key and headphones.

You can see Mike's rig at

<http://www.natworld.com/ars/events/trail/tiny.jpg>.

Bill's rig is at <http://www.natworld.com/ars/equip/images/bill3.jpg>.

Russ Carpenter, AA7QU

Contest Manger for Adventure Radio Society

Date: Tue, 3 Jun 1997 11:31:36 -0500
From: Union Texas Petrochemicals <stevensj@sound.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [20738] Telescoping Fishing Poles (SD-20) Source
Message-ID: <01BC7011.DE2123C0@cnc036042.concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

I've had really good luck with OOPS Sporting Good in NH. They were able =
to get me a couple of SD-20s at around \$20 within a fairly short time =
(6-8 working days) even though they were out of stock at the time. Ask =
for Bob at (603) 529-5873 or (888) 246-6586.

John Stevens K5JS

Date: Tue, 03 Jun 1997 12:29:39 EDT
From: kd4kzq@juno.com (Jim A Norsworthy)
To: qrp-1@Lehigh.EDU
Subject: [20739] FD Logging Program
Message-ID: <19970603.112411.7679.5.kd4kzq@juno.com>

Gang,

Just my 2 cents worth. Last year for FD we used a new logging
program that one member brought in. WE are a small group and I thought,
well it'll take most of the day to learn this one. I was pleasantly
surprized. The program is definitely not fancy and a sure no-brainer. It
only does FD and that's all. You select the band and then either phone or
cw. It does have a few selstions for automatic sending, sort of a hamcom
interface I think, but it does dupes and all. I had it up and running in
5 min. The name is simple too, FDLOGGER. I would have to do more research
to find an outlet for the program, in case anyone was interested. Here in
Birmingham we have a local BBS that is HAM oriented and I got my copy
there.

Just thought I'd pass along some useful info as Field Day
approaches. It's not CT but the learning curve isn't very big at all.

TNX,
72/73 es CUL de Jim KD4KZQ
kd4kzq@juno.com
QRP-L#1060 10-10#66171

"Less is really MORE" think about it

Date: Tue, 3 Jun 1997 09:35:42 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [20740] 50/40/30: change to PA schedule
Message-ID: <199706031636.LAA11216@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Sorry for the late notice, folks.

Martin, NR3Z, has run into last minute schedule conflicts, so he will not be available to represent Pennsylvania on June 5.

However, he will be on at the usual hour on June 17.

Thanks,

Mike K1MG

Date: Tue, 3 Jun 1997 12:52:42 -0400 (EDT)
From: Scottae4vq@aol.com
To: qrp-l@Lehigh.EDU
Subject: [20741] Belgium Call
Message-ID: <970603125055_22783868@emout05.mail.aol.com>

Group:

Thanks to all who responded to my request re: OT7T QSL info.

72's... Scott AE4VQ

Date: Tue, 3 Jun 1997 10:05:21 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [20742] Re: FD Logging Program

Message-ID: <199706031705.KAA26555@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:29 PM 6/3/97 EDT, you wrote:

>Gang,

>

> Just my 2 cents worth. Last year for FD we used a new logging
>program that one member brought in. WE are a small group and I thought,
>well it'll take most of the day to learn this one. I was pleasantly
>surprized. The program is definitely not fancy and a sure no-brainer. It
>only does FD and that's all. You select the band and then either phone or
>cw. It does have a few selstions for automatic sending, sort of a hamcom
>interface I think, but it does dupes and all. I had it up and running in
>5 min. The name is simple too, FDLOGGER. I would have to do more research
>to find an outlet for the program, in case anyone was interested. Here in
>Birmingham we have a local BBS that is HAM oriented and I got my copy
>there.

>

> Just thought I'd pass along some useful info as Field Day
>approaches. It's not CT but the learning curve isn't very big at all.

>

>

You can download this program (fdlogger.zip) from:

<<http://ftp.cdrom.com/pub/hamradio/oak/arrl/bbs/contests>>

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ Grid DM43bi Lat 33.334500 Long
-111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

Date: Tue, 03 Jun 1997 10:07:33 -0700

From: Bill Todd <bill@techline.com>

To: nwq-1@scn.org

Cc: qrp-1@Lehigh.EDU

Subject: [20743] IC 735 4 Sale

Message-ID: <1.5.4.32.19970603170733.006cf90c@mail.techline.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hello Group(s)-

I have an ICOM 735 for sale. Here are the details:

160 to 10 meters.

INCLUDES FM board

INCLUDES 250 Hz. CW filter

Please contact me for further details.

Price: \$525.00

BCNU -

CUL - Bill-N7MFB

<http://www.techline.com/~bill>

Date: Tue, 3 Jun 1997 10:28:04 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [20744] Re: FD Logging Program
Message-ID: <199706031728.KAA28094@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Tue, 03 Jun 1997 10:04:34
>To: qrp
>From: Bob Hightower <ki7mn@dancris.com>
>Subject: Re: FD Logging Program
>
>
>You can download this program (fdlogger.zip) from:
>
> <<http://ftp.cdrom.com/pub/hamradio/oak/arrl/bbs/contests>>
>

I just unzipped this and it's the WR9R program, so if you already have it,
don't spend any time with it. If you don't have it, it's good and easy.

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ Grid DM43bi Lat 33.334500 Long
-111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

Date: Tue, 3 Jun 97 11:29:44 MDT
From: Dale Anderson <dalea@artemis.fc.hp.com>
To: qrp-l@Lehigh.EDU
Subject: [20745] VK callsign server????
Message-ID: <9706031729.AA11369@artemis.fc.hp.com>

Hi all,

Is there an on-line callsign server that covers VK land?
I made my first contact with the "land down under" on
17m Friday evening and wanted to look this guy up.

Tnx es 72/73,
de Dale, KB0VCC
Fort Collins, CO
QRP-L #91 / CQC #251 / ARS #234 / FISTS #3172

Date: Tue, 3 Jun 1997 13:32:22 -0400
From: John McKee <JMckee@RFMD.COM>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [20746] Oscillator design
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-970603173222Z-4669@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Gang,

I am trying to design an 80m crystal oscillator from scratch. It seems like when I get the feedback high enough to get good keying, I also get a distorted output waveform. Even when I shift the DC bias point, the waveform still doesn't cleanup very well. Is a crystal oscillator always suppose

to have
a pure sine wave output or am I still way off base? I've tried several
different
types, eg. peirce, collpitts etc. but still don't get the results I'm
looking
for. Do I need to change my assumptions? You know what they say
about assuming incorrectly. Any suggestions would be greatly
appreciated.

73 es tnx

John WB40FT
jmckee@rfmd.com

Date: Tue, 03 Jun 1997 10:58:00 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [20747] Re: Memory Keyer
Message-ID: <33945B28.2518@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Frank,

The TiCK-2 keyer (stand-alone chip or the full kit, your choice) will do
exactly what you're looking for at a very small price.

Check them out at:
<http://www.vivanet.com/~gmdsr/>

=====
Bill Jones - KD7S
Sanger, California
Reply to kd7s@psnw.com
=====

Date: Tue, 3 Jun 1997 11:00:47 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <JMckee@RFMD.COM>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20748] Re: Oscillator design
Message-ID: <199706031801.NAA15930@multi13.netcomi.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

John --

You have stumbled upon a basic truth about oscillators.

An oscillator must have feedback in order to work.

A circuit with gain and positive feedback will, in time, produce an infinitely large output signal,...

unless something acts to prevent it from growing too large.

In most circuits, the thing that acts to prevent the signal from growing infinitely large is the limited active range of the devices in the circuit.

That is, the transistor saturates. Thus, real circuits self-limit their output when used as oscillators, but they must run part of the time in a non-linear region to do so. Therefore, most oscillator circuits produce impure sine waves.

The faster you want the oscillations to start, the more gain and feedback is required, and the sooner and harder the circuit must hit the non-linear region.

A couple of clever engineers designed a circuit many years ago to produce high-purity audio frequency sine waves from an oscillator without elaborate post-oscillator filtering. Messrs. Hewlett and Packard produced an oscillator which used the non-linear characteristics of a light bulb in a feedback arrangement to control the level of the oscillator output to keep it in the active region while also allowing sufficient feedback and gain to make it oscillate. They built a small electronics company on this creation. Some of you may have heard of it.

Mike K1MG

> From: John McKee <JMckee@RFMD.COM>

> Hello Gang,

>

> I am trying to design an 80m crystal oscillator from scratch. It seems

> like when I get the feedback high enough to get good keying, I also get

> a distorted output waveform. Even when I shift the DC bias point, the

> waveform

> still doesn't cleanup very well. Is a crystal oscillator always suppose

> to have
> a pure sine wave output or am I still way off base? I've tried several
> different
> types, eg. peirce, collpitts etc. but still don't get the results I'm
> looking
> for. Do I need to change my assumptions? You know what they say
> about assuming incorrectly. Any suggestions would be greatly
> appreciated.
>
> 73 es tnx
>
> John WB40FT
> jmckee@rfmd.com

Date: Tue, 03 Jun 1997 15:35:42 EDT
From: w7rfm@juno.com (John E Hirsch)
To: "Low Power Amature Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20749] A.R.S.
Message-ID: <19970603.122940.3142.2.w7rfm@juno.com>

To all hams in the Seattle Area

It was announced to day that Amature Radio Supply Has closed its Doors.

If you have equipment there, you can call a phone number on the doors to
retrive what is yours.

All parts and retail equipment has been purchased by Radio Depote in
Bremerton, Wa.

This is a QST from The Noon Time Net on 03 June 97.

de W7RFM

Date: Tue, 03 Jun 1997 13:52:57 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [20750] Re: Need Better Field Day Logging Method
Message-ID: <2.2.16.19970603195257.2187ae84@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

K0FRP wrote:

>After logging with a logging program you will know why we use them and get
>that edge on the non users. I'm sure someone can let you borrow an old lap
>top but you will need a charging system or lots of batteries because the
>computer will take more power than your 5 watt QRP rig. We use a generators
>to run the accessories and batteries for the rigs.

As AL said, logging with a computer makes running 60-80 qso's an hour fun,
and not hard work on CW.. You have function keys for sending the exchange,
CQ, and your callsign, so it can all be done by the person at the PC..

It doesn't take all that much battery power for even a 100w station and a
laptop, though. The group that I go with uses two deep-cycle batteries, one
for the 100w radio, one for the laptop, and they last the entire 24 hours.
We also have a 4-amp solar panel connected to help float the battery running
the radio when the sun is up. No generator needed for ANYthing! Nice quiet
site and TRUE battery operation (generators at a QRP Field Day site, Al??)..

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Tue, 3 Jun 1997 15:31:03 -0500 (CDT)
From: "Matt Wright, AE4JM" <cnw@hiwaay.net>
To: Nick Franco <kf2ph@bnl.gov>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20751] Re: GM30-DX
Message-ID: <Pine.OSF.3.94.970603152923.29347B-1000000@fly.HiWAAY.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 3 Jun 1997, Nick Franco wrote:

> Jeff M. Gold wrote:
> >
> > heard OK2FD, worked him first call.. all copied ok, 2x 559
> > on <2 watts
> >
> > love the new rig
>

> Jeff and group,
>
> Heard and worked the very same OK2FD last evening on my SW-30 off a 6ah
> battery and my Butternut HF6V vertical. I have the power MAR mod in the
> SW-30 so I'm also running 2w on the little gem. I love this rig too. I
>
What is the SW-30 power Mar mod? I haven't heard of this. If I remember
my SW-30 uses a 2SC799 I think. Is this a mod with the MAR-3 device?
Thanks Matt, AE4JM

Date: Tue, 03 Jun 1997 13:44:27 -0700 (MST)
From: mykey@aztec.asu.edu (MICHAEL C. TODD)
To: qrp-1@Lehigh.EDU
Subject: [20752] Island Memory
Message-ID: <9706032044.AA04002@aztec.asu.edu>
Content-transfer-encoding: 7BIT

A short time ago I reported on the "Island Memory" kit. At that
time I indicated a possible problem with that portion of the
schematic showing the LEDs. The schmatic is correct. Just make
sure to connect the positive lead of the LED to VCC and it should
light as required.

I had occasion to use the memory during the Spartan Sprint and it
performed flawlessly. Programing is a snap; the unit is a
pleasure to use.

W9UQB Mike AZ ScQRPion

--

[B[C

Date: Tue, 03 Jun 1997 16:07:08 -0700
From: "Phil, K6LS" <k6ls@qsl.net>
To: qrp-1@Lehigh.EDU

Subject: [20753] I'm Back
Message-ID: <3394958C.6FB7@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Again to all!

I have restored some kind of operations here in Colorado, although, not what I am acustom to. Relocating tends to provide plenty of stress. I am glad to be back, I kind of miss the "daily 'soap'" that is this list, not to mention the wealth of info avalible.

I would like to thank those that wished me a safe trip, It worked!

Also, Thanks to the CQC gang here in CO. on the .225 machine who are very friendly and helpful (and well organized).

looking forward to hearing from ya'll

--
73 de Phil, K6LS/0
k6ls@qsl.net
DM790Q
Arapahoe County, Colorado

Date: Tue, 3 Jun 1997 07:59:19 -0600
From: ji3m@maxwell.com (James R. Duffey)
To: qrp-l@Lehigh.EDU
Subject: [20754] 10 M Texan QRPers?
Message-ID: <v02130500afb9d29f086c@[192.31.66.229]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Texans - Last night 10 was open here with sporadic E to Texas. I copied the K5AB beacon in central Texas, the KA5FYI beacon, a beacon in EL17 (South Texas gulf), and one in Oklahoma. At times the K5AB beacon peaked at S7. I called CQ on 28.060 on and off from 0245 Z to 0400 Z using both my call and my father in law's call, W0AEN, who was in the shack at the time. No takers. Is there any Texas activity on 10 M QRP?? Or do I need to redo my antennas? They seem to receive the 10 M SSB stations in Texas OK. :-). -
Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Tue, 03 Jun 1997 18:31:08 -0700
From: Harry Bump <bump@redrose.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [20755] FD Logging...
Message-ID: <3394C55C.40E3@redrose.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Guys,

I've written what I think is a good fieldday logging program... runs from DOS on just about any IBM based machine. Does full logging, CW transmit with memories, and reporting. Also creates export files for several general logging and database programs, along with a 'MSWorks' type spreadsheet file.

The ARRL thought it was a good one; got a write-up in their new book, 'Computers In The Ham Shack'. It's called FD-1200 and I'm up to version 'm' - available on the ARRL BBS or you may request it directly from me. It's shareware - no strings, and in zipped format less than 200k of memory.

In case you're curious, I've been working and modifying it for about five years now. It's an offshoot of the PA QSO Party program that I've been messing with for almost a dozen years off and on...

I'd be glad to attach it to a return message if any are interested.

73,

Harry Bump, KM3D

Contest shareware author (DOS)	PA1200m: PA QSO Party
	CA1200m: Calif QSO Party
(available on ARRL	MI1200m: Mich QSO Party
page and others or	FD1200m: Fieldday
direct)	CWI: PC CW keyboard

OUTLAW WIRELESS LEAGUE (1996 PA QSO Party Small Club Gavel)
QRPARCI #3875 - - - - - NORCAL #1295 - - - - - QRP-L #637

End of QRP-L Digest 746
